## BMID 9809US.ST25.txt SEQUENCE LISTING

```
<110> Dwulet, Francis
     McCarthy, Robert
      Balgobin, Neil
<120> ENZYME/TAG BINDING AND DETECTION SYSTEM
<130> BMID 9809US
<160> 13
<170> PatentIn version 3.0
<210> 1
<211> 10
<212> PRT
<213> mammalian
<220>
<221> misc feature
<222>
      (4)..(4)
<223> the nucleotide at this position can be lysine or arginine
<220>
<221> misc_feature
<222> (5)..(5)
<223> the nucleotide at this position can be glycine or alanine
<220>
<221> misc_feature
<222>
      (6)..(6)
<223> the nucleotide at this position can be arginine, glycine or serin
<400> 1
Gly Pro Cys Xaa Xaa Xaa Phe Ile Arg Tyr
1
               5
                                   10
<210> 2
<211> 11
<212> PRT
<213> mammalian
<220>
<221> misc_feature
      (1)..(1)
<222>
<223> the nucleotide at this position can be asparagine or glycine
<220>
<221> misc_feature
<222>
      (4)..(4)
<223> the nucleotide at this position can be proline or threonine
<220>
<221> misc_feature
<222>
      (5)..(5)
      the nucleotide at this position can be lysine or arginine
<223>
```

## BMID 9809US.ST25.txt

```
<220>
<221> misc_feature
<222> (8)..(8)
<223> the nucleotide at this position can be asparagine or aspartate
<400> 2
Xaa Gly Cys Xaa Xaa Ile Tyr Xaa Pro Val Cys
1 -
<210> 3
<211> 9
<212> PRT
<213> snake venom
<220>
<221> misc_feature
<222> (2)..(2)
<223> the nucleotide at this position can be arginine or leucine
<400> 3
Gly Xaa Cys Lys Ala His Ile Pro Arg
<210> 4
<211> 9
<212> PRT
<213> plant protease inhibitors
<220>
<221> misc_feature
      (1)..(1)
<222>
<223> the nucleotide at this position can be arginine or proline
<220>
<221> misc_feature
<222> (2)..(2)
<223> the nucleotide at this position can be leucine or proline
<220>
<221> misc_feature
<222> (4)..(4)
<223> the nucleotide at this position can be isoleucine or serine
<220>
<221> misc_feature
<222>
      (5)..(5)
<223> the nucleotide at this position can be threonine or arginine
<400> 4
Xaa Xaa Arg Xaa Xaa Phe Ile Pro Asp
<210> 5
<211> 11
<212> PRT
```

## BMID 9809US.ST25.txt <213> plant protease inhibitors <220> <221> misc\_feature <222> (5)..(5) <223> the nucleotide at this position can be lysine or arginine <400> 5 Cys\_Ile Cys Thr Xaa Ser Ile Pro Pro Gln Cys 5 10 <210> 6 <211> 10 <212> PRT <213> bird egg white trypsin inhibitors <220> <221> misc\_feature <222> (4)..(4) <223> the nucleotide at this position can be lysine or arginine <220> <221> misc\_feature (7)..(7) <222> <223> the nucleotide at this position can be serine or lysine <400> 6 Val Ala Cys Xaa Ile Leu Xaa Pro Val Cys 5 <210> 7 <211> 10 <212> PRT <213> bovine basic pancreatic trypsin inhibitor <400> 7 Gly Pro Ser Lys Ala Arg Ile Ile Arg Tyr <210> 8 <211> 10 <212> PRT <213> Soybean Kunitz protease inhibitor -<400> 8 Ser Pro Tyr Arg Ile Arg Phe Ile Ala Glu <210> 9. <211> 10 <212> PRT <213> Soybean Bowman-Birk protease inhibitor

<400> 9

Ala Ser Thr Lys Ser Asn Pro Pro Gln Ser

10

## BMID 9809US.ST25.txt

```
<210> 10
<211> 10
<212> PRT
<213> Sand Viper venom protease inhibitor
<400> 10
Gly Arg Ser Lys Ala His Ile Pro Arg Phe
<210> 11
<211> 10
<212> PRT
<213> Bovine secretory protease
<400> 11
Gly Ser Pro Arg Ile Tyr Asn Pro Val Ser
               5
                                   10
<210> 12
<211> 10
<212> PRT
<213> Chicken ovomucoid domain 3 protease
<400> 12
Val Ala Ser Arg Ile Leu Ser Pro Val Ser
<210> 13
<211> 10
<212> PRT
<213> Chicken ovomucoid domain 4 protease
<400> 13
Val Ala Ser Arg Ile Leu Leu Pro Val Ser
                                   10
```